

MS 15x2 Slingshot



KEY FEATURES

- Hornflare optimized by WaveShaper technology
- Recessed Speakon® NL8 connectors with link
- 18mm, 13 ply Birch
- Dual 15" customized low-mid units with integrated cooling system
- Integrated flying system
- Polyurethane-coated cabinet
- Integrated handles

DESCRIPTION

The MS15X2 mid-bass unit is a hornloaded double 15" unit with a horizontal beam width of 90-120 degrees and a vertical beam width of 60-90 degrees. The MS15X2 is designed to support the MS1262 in outdoor or large indoor live applications where more energy is needed in the critical mid-bass area. The engine of the MS15X2 consists of two specially developed 15" low-mid devices with a conical diaphragm, low hysteresis in all moving parts and a double cooling system. They are lightly loaded (compression ratio of 3:2) by the Mach WaveShaper, which maximises output while minimizing distortion and eddy current at the horn flare exit. The WaveShaper improves throw and clarity and enables multiple MS15X2s to couple efficiently in clusters. The cabinet is similar to the MS1262 cabinet, allowing both units to be flown in the same cluster. It is made of 18mm, 13 ply Finnish birch, cut on CNC machines, assembled by trained Danish carpenters and treated with SafeCoat, a weather proof and highly scratch resistant, UV stable polyurethane/polyurea. The 2mm steel grille is designed to be part of the structural strength of the cabinets and has the Mach logo discretely engraved in each corner. A transport dolly is available for the MS15x2.

SPECIFICATIONS

Low/mid unit:	2x15" with 4" voice coil
Power handling AES:	900 watt (2 pcs)
Power handling peak:	3600 watt (2 pcs)
Sensitivity1w/1m:	105 dB
Max SPL, calculated long term:	135 dB
Max SPL, peak:	141 dB
Frequency range +/-3dB:	90 Hz – 650 Hz
Nominal impedance:	4 ohm
Recommended amplifier:	1800 watt in 4 ohm
Weight & Measurements:	
Dimensions (HxWxD):	820x590x725mm (32x23x28.5in)
Net weight:	68 kg (149 lbs)
Flying system:	Flying tracks accept double stud
Finish:	Black SafeCoat coating
Grille:	2mm, steel with foam backing
Input connectors:	2 x Speakon® NL 8
Rigging hardware:	Double Stud & Ring 93944004

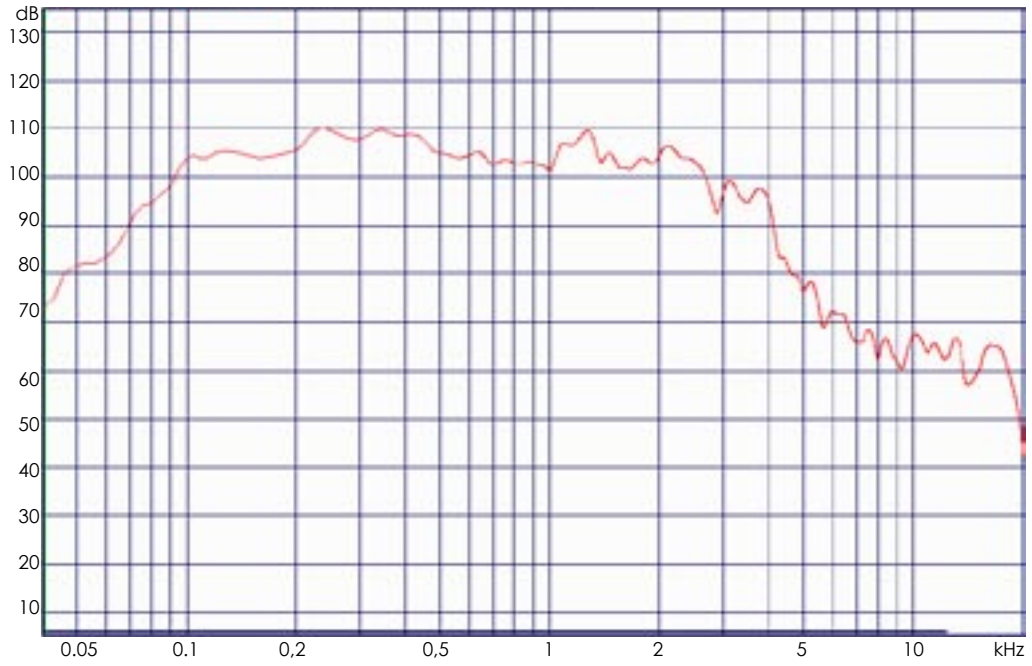
ARCHITECTURAL SPECIFICATIONS

The loudspeaker system shall be a mid-bass system comprised of two 15" low-mid units designed for optimum performance in the low-mid area from 90-350 Hz. The drive units shall be loaded with a compression ratio of 2:3. The loudspeaker shall have a horizontal beam width (-6 dB) of 90-120 degrees and a vertical beam width of 60-90 degrees. Frequency response shall be within +3 dB from 90-650 Hz and the AES power handling shall be 900 watt. The sensitivity at 1W/1m shall be 105 dB and the continuous maximum output of the loudspeaker system shall be 135 dB and 141 dB peak. The loudspeaker shall also have a three-point flying system, each with a documented load of 2145 kg. The cabinet shall be protected with the SafeCoat surface, constructed of 18mm Baltic plywood, trapezoidal in shape with a 15 degree angle and be 820mm (32.3in) high, 590mm (23.5in) wide and 725mm (28.5in) deep with a weight of 68 kg (149 lbs). The loudspeaker system shall be the Mach MS15x2.

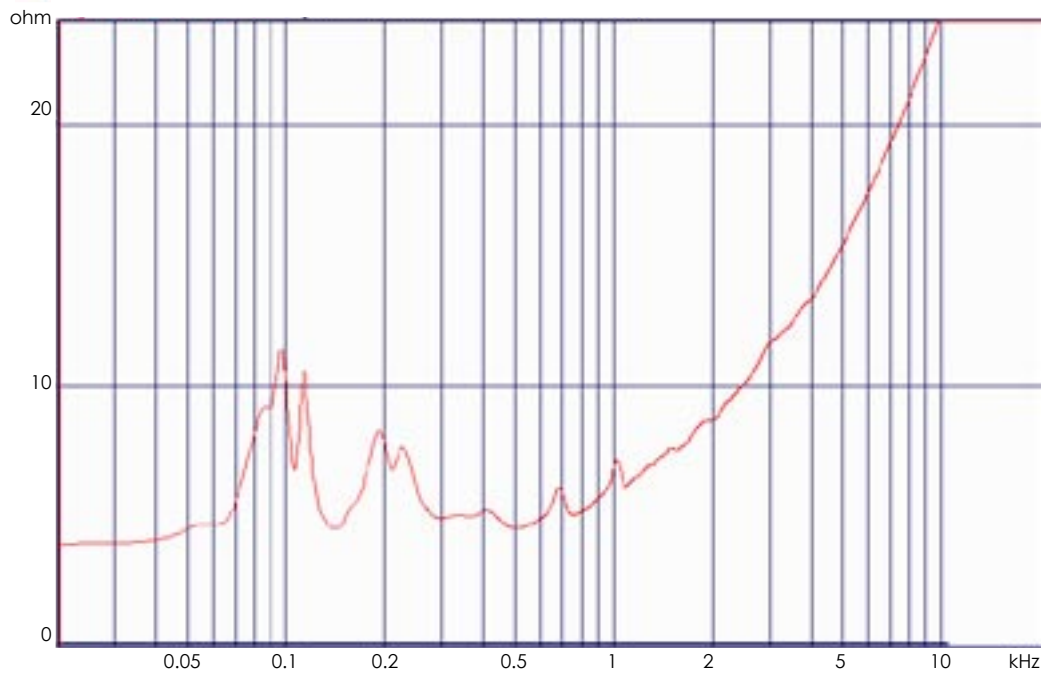
NOTE: Mach is continually working on research and production improvements, which can be introduced into existing products without notice. The products will always equal or exceed the original design specifications unless otherwise stated.

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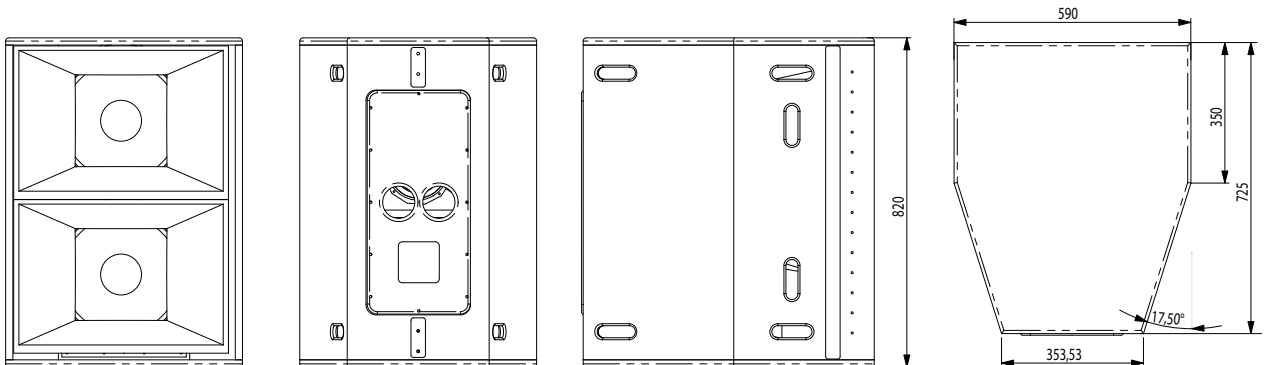
FREQUENCY RESPONSE



IMPEDANCE RESPONSE



SIZE AND SHAPE

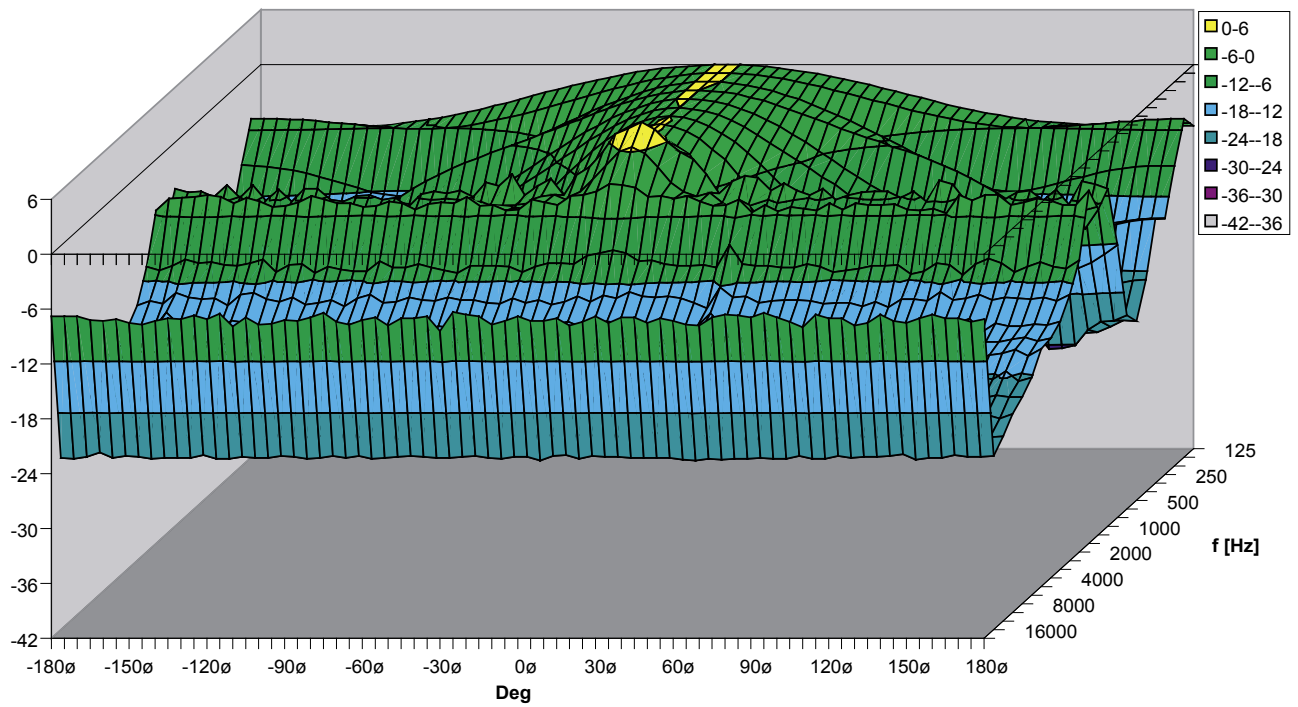


3D DIRECTIVITY PLOT HORIZONTAL

MS 15x2 Slingshot

3D Directivity Plot

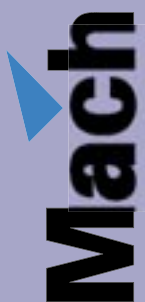
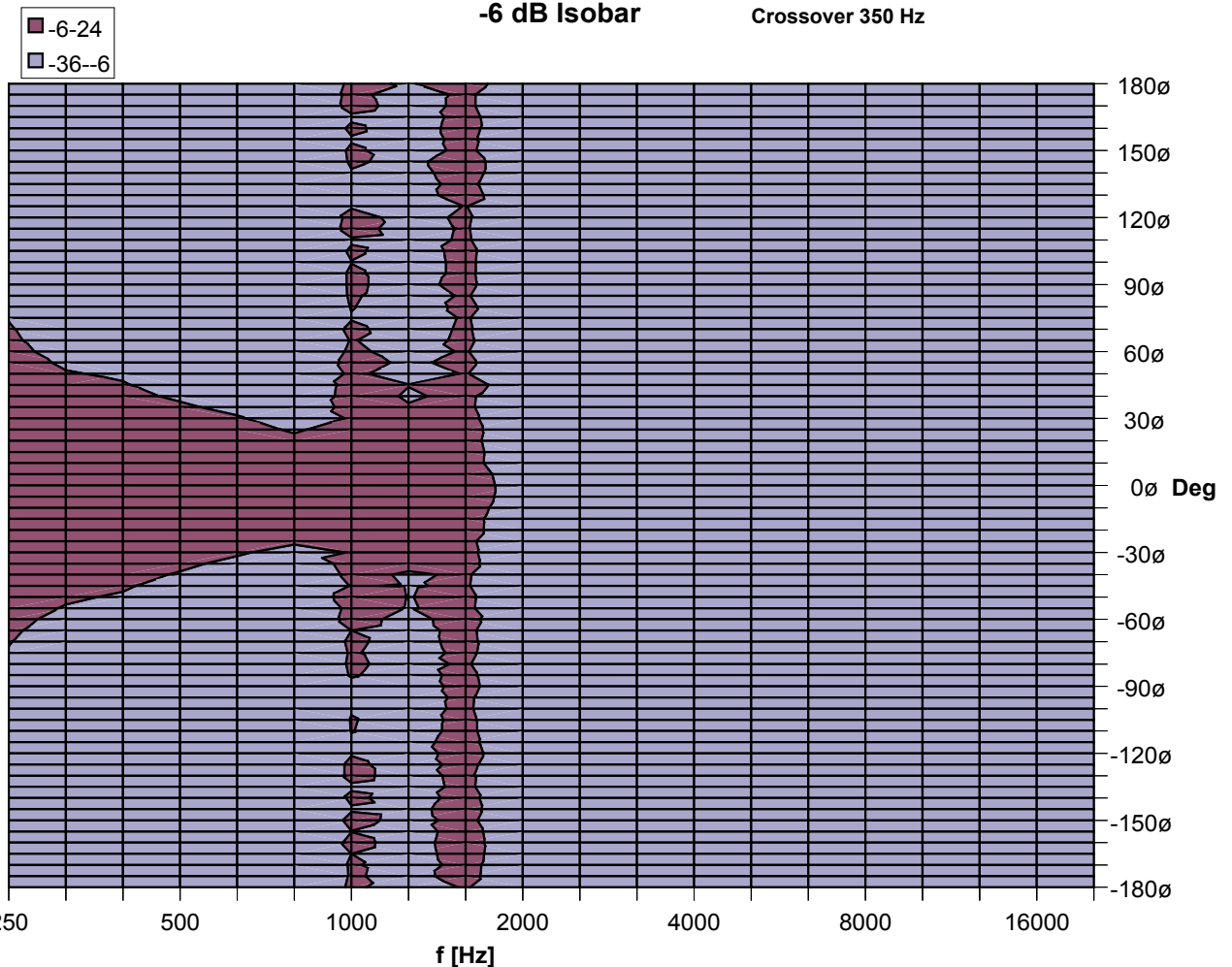
Crossover 350 Hz



-6 dB ISOBAR HORIZONTAL

-6 dB Isobar

Crossover 350 Hz

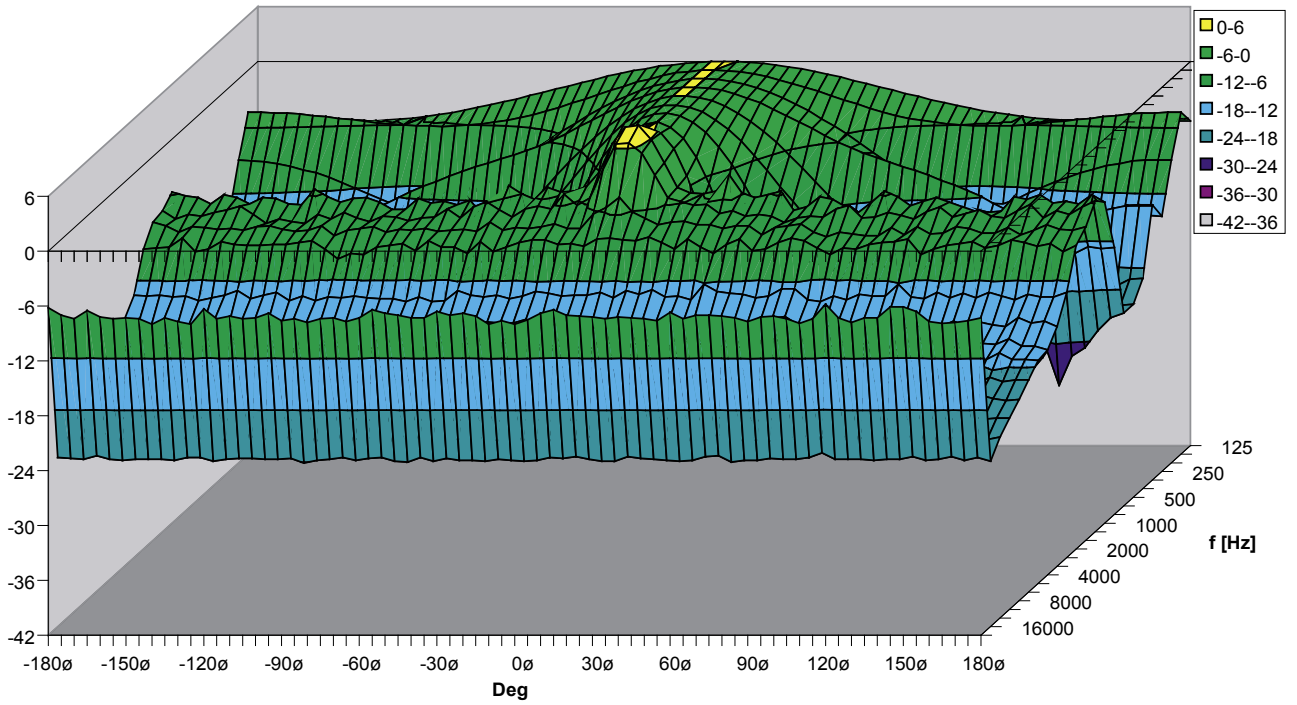


3D DIRECTIVITY PLOT VERTICAL

MS 15x2 Slingshot

3D Directivity Plot

Crossover 350 Hz



-6dB ISOBAR VERTICAL

-6 dB Isobar

Crossover 350 Hz

